WHAT IS CLAIMED IS:

1. A method for public wireless network access comprising:

detecting the presence of a Local Area Network (LAN) with at least one mobile device at a location;

requesting identification information from each at least one mobile device through a node of the LAN;

sending user information from each at least one mobile device to the node, the user information including identification and demographic information about a user of each at least one mobile device;

receiving access to the LAN with the at least one mobile device;

accessing a global communication data network through a gateway of the LAN with the at least one mobile device;

sending the demographic information about the users of the at least one mobile devices at the location to an advertising server;

receiving commercial messages through the gateway from the advertising server, the commercial messages being selected based on the demographic information of the users; and

sending the commercial messages to a display at the location for viewing by the users.

2. The method according to claim 1, wherein the advertising server is managed by an advertising service.

1   3. The method according to claim 1, further comprising sending payment by the

2   advertising service to the location for display of the commercial messages.

1   4. The method according to claim 1, further comprising sending payment by the

2   advertising service to an Internet Service Provider for the cost of providing Internet

3   access to the location.

1   5. The method according to claim 1, further comprising receiving commercial

2   messages based on the demographic information of a single user.

1   6. The method according to claim 1, further comprising monitoring when users

2   are no longer present at the location, the monitoring being performed by a hub on the

3   LAN.

1   7. The method according to claim 6, further comprising periodically sending

2   updated demographic information about users of the at least one mobile devices at the

3   location to the advertising server.

1   8. The method according to claim 1, further comprising comparing the user

2   demographic information with commercial advertising content, the commercial

3   messages being based on the comparing.

1   9. The method according to claim 1, wherein the location is a commercial

2   establishment.

1   10. The method according to claim 1, further comprising registering each user

2   of the at least one mobile device at the commercial establishment after receiving

3   access to the LAN by the at least one mobile device, the user henceforth being

4   registered at all other participating commercial establishments of the same corporate

5   owner.

        11. The method according to claim 1, wherein the identification information

comprises at least one of name, email address, and social security number.

        12. The method according to claim 1, wherein the demographic information

comprises at least one of age, zip code, income, profession, and sex.

1   13. The method according to claim 1, wherein the commercial messages

2   comprise product advertisements.

1   14. The method according to claim 1, wherein the commercial messages

2   comprise advertisements for services.

1   15. The method according to claim 1, wherein the LAN comprises a Wireless

2   Local Area Network (WLAN).

1   16. The method according to claim 1, wherein the global communication data

2   network comprises the Internet.

1   17. The method according to claim 1, wherein the node comprises a hub on the

2   LAN.

1   18. A system for providing public wireless Internet access comprising:

      a hub, the hub operatively connected to a global communication data network

      through a gateway;

      a display device operatively connected to the hub, the display device displaying

      commercial messages from an advertising server connected to the global

      communication data network; and

      a Local Area Network (LAN) operatively connected to the hub,

      wherein the hub provides public wireless access to the global communication

9   data network by allowing mobile devices in proximity to the system access to the LAN

10   and the hub, the access to the global communication data network being free to the

11   public due to the displaying of the commercial messages.

1   19. The system according to claim 18, wherein the display device comprises one

2   of a Liquid Crystal Display (LCD), touch screen display, E-ink display, autostereoscopic

3   lenticular monitor display, and Cathode Ray Tube (CRT) display.

1   20. The system according to claim 18, further comprising an enclosure, the hub,

2   the display, and the LAN being contained in the enclosure.

1   21. The system according to claim 20, wherein the enclosure resides at a

2   commercial establishment.

1   22. The system according to claim 21, wherein only mobile devices at the

2   commercial establishment have accessibility to the LAN.

23. The system according to claim 20, wherein the enclosure is wall mountable.

1   24. The system according to claim 18, wherein the LAN comprises a Wireless

2   Local Area Network (WLAN).

25. The method according to claim 18, wherein the LAN comprises a Bluetooth

2   network.

1   26. The system according to claim 18, wherein the global communication data

2   network comprises the Internet.

1   27. An article comprising a storage medium having instructions stored therein,

the instructions when executed causing a processing device to perform:

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3   requesting identification information from at least one mobile device by a hub on

4   a Local Area Network (LAN), the requesting occurring after the at least one mobile

5   device at a location detected the presence of the LAN and requested access;

6   receiving user information from each at least one mobile device at the hub, the

7   user information including identification and demographic information about a user of

8   each at least one mobile device;

9   giving access to the LAN to the at least one mobile device;

10   making a global communication data network accessible through the hub on the

11   LAN to the at least one mobile device;

12   sending the demographic information about the users of the at least one mobile

13   devices at the location to an advertising server;

14   receiving commercial messages at the hub from the advertising server, the

15   commercial messages being selected based on the demographic information of the

16   users; and

17   sending the commercial messages to a display at the location for viewing by the

18   users.

1   28. The article according to claim 27, the processing device further performing

2   monitoring when users are no longer present at the location, the monitoring being

3   performed by the hub.

1   29. The article according to claim 27, the processing device further performing

2   periodically sending updated demographic information about users of the at least one

3   mobile devices at the location to the advertising server.

1   30. The article according to claim 27, wherein the LAN comprises a Wireless

2   Local Area Network (WLAN).

1   31. The method according to claim 27, wherein the LAN comprises a Bluetooth

2   network.

1   32. The article according to claim 27, wherein the global communication data

2   network comprises the Internet.

1   33. A processing device having instructions stored therein, the processing

2   device connected to a Local Area Network (LAN), the instructions when executed

3   causing the processing device to perform:

4   requesting identification information from at least one mobile device by the

5   processing device, the requesting occurring after the at least one mobile device at a

6   location detected the presence of the LAN and requested access;

7   receiving user information from each at least one mobile device at the processing

8   device, the user information including identification and demographic information about

9   a user of each at least one mobile device;

10   giving access to the LAN to the at least one mobile device;

11   making a global communication data network accessible through the processing

12   device on the LAN to the at least one mobile device;

13   sending the demographic information about the users of the at least one mobile

14   devices at the location to an advertising server;

15   receiving commercial messages at the processing device from the advertising

16   server, the commercial messages being selected based on the demographic

17   information of the users; and

18   sending the commercial messages to a display at the location for viewing by the

19   users.

       34. The processing device according to claim 33, the processing device further

       monitoring when users are no longer present at the location.

       35. The processing device according to claim 33, the processing device further

2   periodically sending updated demographic information about users of the at least one

3   mobile devices at the location to the advertising server.

1   36. The processing device according to claim 33, wherein the LAN comprises

2   a Wireless Local Area Network (WLAN).

1   37. The method according to claim 33, wherein the LAN comprises a Bluetooth

       network.

1   38.   The processing device according to claim 33, wherein the global

2   communication data network comprises the Internet.

1   39.   A method for public wireless paying network access comprising:

selecting items to purchase at a commercial establishment by a customer;

3   sending user information from a mobile device of the customer to a Local Area

4   Network (LAN) at the commercial establishment, the user information including

5   identification and demographic information about the customer;

6   placing identification information for the customer into a queue, the queue

7   identifying customers ready to purchase items selected by each customer, the customer

8   identification information being placed on the queue in a chronological order, the

9   contents of the queue being displayed at the commercial establishment for viewing by

10   all customers;

11   sending the demographic information about each customer on the queue to an

12   advertising server;

13   receiving commercial messages from the advertising server, the commercial

14   messages being selected based on the demographic information of the customers; and

15   sending the commercial messages being displayed at the commercial

16   establishment for viewing by all customers.

1   40.   The method according to claim 39, further comprising monitoring, by the

2   customer, when it is the customer's turn, the customer paying for the selected items

3   when it is the customer's turn.

1   41. The method according to claim 39, further comprising deleting the customer

2   from the queue after the customer has purchased the selected items.

1   42. The method according to claim 39, wherein the LAN allows access by at

2   least one of a WLAN compatible device and a Bluetooth compatible device.